

Title (en)

PACKET LOSS DETECTION FOR USER DATAGRAM PROTOCOL (UDP) TRAFFIC

Title (de)

PAKETVERLUSTERKENNUNG FÜR BENUTZERDATAGRAMMPROTOKOLL (UDP)-VERKEHR

Title (fr)

DÉTECTION DE PERTE DE PAQUET POUR CIRCULATION DE PROTOCOLE DE DATAGRAMME UTILISATEUR (UDP)

Publication

**EP 3506565 B1 20210512 (EN)**

Application

**EP 18197687 A 20180928**

Priority

US 201715858965 A 20171229

Abstract (en)

[origin: EP3506565A1] A network device may receive user datagram protocol (UDP) packets associated with an internet protocol (IP) session. The network device may apply a first firewall filter by setting one or more bits of each UDP packet to particular bit values to allow each UDP packet to be identified in association with the first firewall filter. The network device may update, each time a UDP packet is received, a first packet counter to account for a total number of UDP packets to which the first firewall filter has been applied. The network device may provide each UDP packet to another network device. The other network device may update a second packet counter. The network device and the other network device may provide the first packet counter and the second packet counter to a server device to cause the server device to determine packet loss information for the IP session.

IPC 8 full level

**H04L 12/26** (2006.01)

CPC (source: CN EP US)

**H04L 43/028** (2013.01 - EP US); **H04L 43/04** (2013.01 - EP US); **H04L 43/067** (2013.01 - US); **H04L 43/0829** (2013.01 - CN EP US); **H04L 43/0835** (2013.01 - US); **H04L 43/0852** (2013.01 - CN EP US); **H04L 47/2408** (2013.01 - US); **H04L 63/02** (2013.01 - CN); **H04L 63/0227** (2013.01 - CN); **H04L 63/0236** (2013.01 - US); **H04L 69/164** (2013.01 - CN US)

Cited by

CN110636452A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 3506565 A1 20190703**; **EP 3506565 B1 20210512**; CN 109995746 A 20190709; CN 109995746 B 20220624; US 10476770 B2 20191112; US 2019207835 A1 20190704

DOCDB simple family (application)

**EP 18197687 A 20180928**; CN 201811151641 A 20180929; US 201715858965 A 20171229